## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-21-153

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

CUMMINS ENGINE COMPANY, INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1996 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	<u>Liters</u>	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
TCE855EJDARB (093Y)	14	(855)	Powertrain Control module Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

Total	Carbon	Nitrogen	<u>Particulates</u>
<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
1.3	15.5	5.0	0.10

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

Engine	Total	Carbon	Nitrogen	<u>Particulates</u>
<u>Family</u>	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
TCE855EJDARB (093Y)	0.4	1.0	4.2	0.08

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 29 day of November 1995.

R. B. Summerfield Assistant Division Chief Mobile Source Division

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## 1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (093Y) TCE855EJDARB						
Displacement:						
Maximum Rated Power: 410 HP @ 1800 RPM Engine Configuration: I-6						
Ignition: Compression X Compression with Glow Plug Spark Spark						
Fuel Type(s):	Dedicated_7	Flex-Fuel_	Dual-Fuel	Diesel	м100_	м85
	CNGL	NGLPG	Other (spe	cify)		
Diesel Cert F	uel: 13 CCR	2282	40 CFR 86.13	13-90	40 CFR 86	.1313-94 <u>X</u>
Primary Inten	ded Service (	Class: LHD	мно	нно <u></u> х	Urba	ın Bus
Exhaust ECS (	include.MFI,	TC, CAC):	PCM (TC, CAC	)		· · · · · · · · · · · · · · · · · · ·
			(use abbrevi	<del>-</del>		
Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm3 / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
N14-425E+ (2027)	410 @ 1800	222 (134.8)	3087807	3090528 3096662	N/A	N/A
N14-370E+ (2027)	389 @ 1800	208 (126.6)	Same	Same	N/A	N/A
N14-370E+ (2027)	370 @ 1800	196 (119.0)	Same	Same	N/A	N/A
N14-350E+ (2027)	368 @ 1800	195 (118.3)	Same	Same '	N/A	N/A
N14-350E+ (2027)	350 @ 1800	184 (111.8)	Same	Same	N/A	N/A
N14-330E+ (2027)	345 @ 1800	182 (110.3)	Same	Same	N/A	N/A
N14-330E+ (2027)	330 @ 1800	174 (105.5)	Same	Same	N/A	N/A
N14-310E+ (2027)	310 @ 1800	164 ( 99.5)	Same	Same	N/A	N/A
N14-330 ESP+ (2027)	330 @ 1800	174 (105.5)	Same	Same	N/A	N/A
		r <sup>i</sup>				
Date Issued:						
Revisions:						